PCT

REQUEST

For receiving Office use only	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office Applicant's or agent's f (if desired) (12 characte	ile reference	
Box No. I TITLE OF INVENTION			
OPTICAL UNIT AND IMAGE-PICKUP APPARA	rus		
Box No. II APPLICANT This perso	n is also inventor		
Name and address: (Family name followed by given name; for a legal ent. The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residen	the address maicalea in inis	Telephone No. 03-5448-2	111
SONY CORPORATION 7-35, Kitashinagawa 6-chome,		Facsimile No. 03-5448-2244	
Shinagawa-ku, TOKYO 141-0001 3	JAPAN	Teleprinter No.	
		Applicant's registr	ation No. with the Office
State (that is, country) of nationality: JAPAN	State (that is, country)	of residence:	APAN
This person is applicant all designated for the purposes of:	ted States except States of America	the United States of America only	the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FUR	THER) INVENTOR(S)	·	
Name and address: (Family name followed by given name; for a legal of the address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside IMAI Satoshi c/o SONY CORPORATION 7-35, Kitashinagawa 6-chom Shinagawa-ku, TOKYO 141-00	e, JAPAN	inventor is marked Applicant's regist	only and inventor only (If this check-box l, do not fill in below.) ration No. with the Office
State (that is, country) of nationality: JAPAN State (that is, country) of residence: JAPAN			
This person is applicant all designated all designated for the purposes of:	ated States except I States of America	the United States of America only	the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated	d on a continuation sheet		
Box No. IV AGENT OR COMMON REPRESENTATIVE	E; OR ADDRESS FO	R CORRESPOND	ENCE
The person identified below is hereby/has been appointed to at of the applicant(s) before the competent International Authorit	et on behalf V	agent	common representative
Name and address: (Family name followed by given name; for a legal of the address must include postal code and name of the address must	f country.)	Telephone No. 03-334	3-5821
12288 Attorney TSUNODA Yoshisue Shinjuku Bldg., 8-1, Nishishinjuku 1-chome, Shinjuku-ku, TOKYO 160-0023 JAPAN		Facsimile No. 03-3348-2746	
PHILIPURU-RU, TORTO 100-0025 DALAM		Teleprinter No.	
		Agent's registration No. with the Office	
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.			

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)				
If none of the following sub-boxes is used, this sheet should not	be included in the request.			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	address indicated in this			
AOKI Nobuaki c/o SONY CORPORATION 7-35, Kitashinagawa 6-chome, Shinagawa-ku, TOKYO 141-0001	JAPAN Applicant's registration No. with the Office			
State (that is, country) of nationality: JAPAN	State (that is, country) of residence: JAPAN			
	States except the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence MAKII Tatsuo c/o SONY CORPORATION 7-35, Kitashinagawa 6-chome, Shinagawa-ku, TOKYO 141-0001 JAPA	applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
State (that is, country) of nationality: JAPAN	State (that is, country) of residence: JAPAN			
This person is applicant all designated for the purposes of: all designated the United States	the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) YAMAOKA Hideki C/O SONY EMCS CORPORATION 7-35, Kitashinagawa 6-chome, Shinagawa-ku, TOKYO 141-0001 JAPAN This person is: applicant only inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office				
State (that is, country) of nationality: JAPAN	State (that is, country) of residence: JAPAN			
This person is applicant all designated for the purposes of:	d States except tates of America with the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office				
State (that is, country) of nationality: State (that is, country) of residence:				
This person is applicant all designated all designated for the purposes of:	ed States except the United States the States indicated in the States of America only the Supplemental Box			
Further applicants and/or (further) inventors are indicated on another continuation sheet.				

Sheet	N 1-		3	
· neer	NO		_	

Box No. V DESIG	CNATION OF STATES	Mark the applicable check-boxes below; at least one must be marked.	
The following design	nations are hereby made un	ender Rule 4.9(a):	
Regional Patent			
SL Sierra I State whic specify on	Leone, SZ Swaziland, TZ Ush is a Contracting State of dotted line)	I Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Suc. United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any of the Harare Protocol and of the PCT (if other kind of protection or treatment desi	other ired,
RU Russia Patent Cor	an Federation, TJ Tajikista nvention and of the PCT	Z Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Mold tan, TM Turkmenistan, and any other State which is a Contracting State of the Eura	isian
Republic, HU Hung SI Sloven and of the	DE Germany, DK Denma ary, IE Ireland, IT Italy, LU ia, SK Slovakia, TR Turke PCT	Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ C. tark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Great, U Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweet, and any other State which is a Contracting State of the European Patent Converges, and any other State which is a Contracting State of the European Patent Converges.	ecce, eden, ntion
GA Gabo TD Chad, of protect	n, GN Guinea, GQ Equator, TG Togo, and any other Strion or treatment desired, s	BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Camer torial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Sen State which is a member State of OAPI and a Contracting State of the PCT (if other specify on dotted line).	egal, - <i>kind</i>
National Patent	(if other kind of protection	n or treatment desired, specify on dotted line):	İ
AE United Ara	b Emirates	☐ HR Croatia	ļ
AG Antigua an	d Barbuda	HU Hungary	
AL Albania		☐ ID Indonesia ☐ PH Philippines	• • • • • •
AM Armenia.	• • • • • • • • • • • • • • • • • • • •	☐ IN India	
AZ Azerbajiar	1	☐ JP Japan ☐ RU Russian Federation	
BA Bosnia and	d Herzegovina	□ KIE Kenya	
BB Barbados		☐ KG Kyrgyzstan ☐ SC Seychelles	
☐ BG Bulgaria .		□ KP Democratic People's Republic □ SD Sudan	}
☐ BR Brazil		of Korea	}
BY Belarus		KR Republic of Korea	
		. □ KZ Kazakhstan □ SK Slovakia	
CA Canada		☐ LC Saint Lucia ☐ SL Sierra Leone	
	tzerland and Liechtenstein		ļ
CN China		□ LS Lesotho □ TM Turkmenistan	
CO Colombia	: 2	☐ LT Lithuania ☐ TN Tunisia	
CR Costa Ric		. LU Luxembourg	
CZ Czech Re	public		
DE Germany		. MA Morocco	
DK Denmark		. MD Republic of Moldova TZ United Republic of Tanzani	ia
DM Dominica	1	UA Ukraine]
		MG Madagascar Ug Ug Uganda	
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☐ ES Spain		□ MN Mongolia □ UZ Uzbekistan	adiner
_:		☐ MX Mexico ☐ VN Viet Nam ☐ VN Viet Nam	- ALLES
☐ GB United K☐ GD Grenada	_	☐ MZ Mozambique ☐ YU Serbia and Montenegro	
GR Georgia		NI Nicaragua	
		🗆 NO Norway 🔲 ZM Zambia	
GM Gambia		□ NZ New Zealand □ ZW Zimbabwe	
		ng States which have become party to the PCT after issuance of this sheet:	
other designation excluded from the	ns which would be permitt ne scope of this statement. T which is not confirmed before	In addition to the designations made above, the applicant also makes under Rule 4 tted under the PCT except any designation(s) indicated in the Supplemental Box at The applicant declares that those additional designations are subject to confirmation fore the expiration of 15 months from the priority date is to be regarded as withdraw it. (Confirmation (including fees) must reach the receiving Office within the 15-month time.	as being and that on by the

If the Supplemental Box is not used, this sheet should not be included in the request.

- I. If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (Indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Bax No. III" and indicate for each additional person the same type of information as required in Bax No. III. The country of the address indicated in this Bax is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Bax No. II or in any of the sub-baxes of Bax No. III, the indication "the States indicated in the Supplemental Bax" is checked: in such case, write "Continuation of Bax No. II" or "Continuation of Baxes No. III" or "Continuation of Baxes No. III and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

[Continuation of Box No. IV]
11351 Attorney ISOYAMA Hironobu
Shinjuku Bldg., 8-1, Nishishinjuku 1-chome,
Shinjuku-ku, TOKYO 160-0023 JAPAN

Telephone No. 03-3343-5821 Facsimile No. 03-3348-2746

Sheet No. 5

Box No. VI PRIORITY	CLAIM			
The priority of the following	g earlier application(s) is herel	by claimed:		
Filing date	Number	V	Vhere earlier application	is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1)				
24.10.02	P2002-310201	JAPAN		
item (2)				
item (3)				
item (4)				
item (5)				
Further priority claim	s are indicated in the Supplem	nental Box.		
* Where the earlier application of the search of the searc	ATIONAL SEARCHING AU Searching Authority (ISA) (is at a the Authority chosen; the reference to uthority):	indicate at least one count Organization for which that UTHORITY If two or more International wo-letter code may be used that search (if an earlier	l earlier application was	re competent to carry out the
Box No. VIII DECLAI	RATIONS			
The following declaration	ons are contained in Boxes No	os. VIII (i) to (v) (mark th number of each type of decl	e applicable laration):	Number of declarations
Box No. VIII (i)	Declaration as to the idea	ntity of the inventor		:
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:				:
Box No. VIII (iii)	Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :			
Box No. VIII (iv)	Declaration of inventor United States of Americ	rship (only for the purpose ca)	s of the designation of th	ne :
Box No. VIII (v)	Declaration as to non-p	orejudicial disclosures or e	xceptions to lack of nove	elty :

BOX NO. IX CHECK LIST; LANGUAGE O	F FILING		
This international application contains: a) in paper form, the following number of	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in	Number of items	
sheets:	right column the number of each item): 1. V fee calculation sheet	: 1	
request (including declaration sheets) : 6	2. original separate power of attorney	: 1	
description (excluding	3. original general power of attorney	:	
sequence listings and/or	4. \(\sqrt{\overline}\) copy of general power of attorney; reference number,	-	
tables related thereto) : 15	if any:	: 2	
claims : 2	5. statement explaining lack of signature	:	
	6. Depriority document(s) identified in Box No. VI as item(s):		
drawings : / Sub-total number of sheets : 31	item(s):	:1	
sequence listings :	(language):	:	
tables related thereto : (for both, actual number of	8. separate indications concerning deposited microorganis or other biological material	: :	
sheets if filed in paper form, whether or not also filed in	9. Sequence listings in computer readable form		
computer readable form; see (c) below)	(indicate type and number of carriers) (i) □ copy submitted for the purposes of international sear	ch under	
Total number of sheets : 31	Rule 13ter only (and not as part of the international a	ppucation):	
(b) only in computer readable form	additional copies including, where applicable, the copurposes of international search under Rule 13ter	py for the :	
(Section 801(a)(i)) (i) ☐ sequence listings	(iii) together with relevant statement as to the identity of	the copy or	
(ii) tables related thereto	copies with the sequence listings mentioned in left countries in computer readable form related to sequence list		
(c) also in computer readable form (Section 801(a)(ii))	(indicate type and number of carriers) (i) copy submitted for the purposes of international sear		
(i) ☐ sequence listings (ii) ☐ tables related thereto	Section 802(b-quater) only (and not as part of the intapplication)	emational	
Type and number of carriers (diskette,	application) (ii) (only where check-box (b)(ii) or (c)(ii) is marked in left	column)	
CD-ROM, CD-R or other) on which are contained the	additional copies including, where applicable, the or purposes of international search under Section 802(1	opy for the	
sequence listings:	and the state of t		
tables related thereto:	copies with the tables mentioned in left column	:	
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. other (specify):	:	
Figure of the drawings which should accompany the abstract: 1	Language of filing of the international application: Japanese		
BOX NO Y SIGNATURE OF APPLICAT	NT, AGENT OR COMMON REPRESENTATIVE	from reading the request	
Next to each signature, indicate the name of the person s	igning and the capacity in which the person signs (if such capacity is not obvious)	rom reading the request,	
TSU	NODA Yoshisue(Seal)		
ISO	YAMA Hironobu(Seal)		
	For receiving Office use only		
1. Date of actual receipt of the purported		Drawings:	
international application:		received:	
Corrected date of actual receipt due to late timely received papers or drawings comple the purported international application:	r but sting	roomvou	
Date of timely receipt of the required corrections under PCT Article 11(2):		not received	
5. International Searching Authority (if two or more are competent): ISA /	JP 6. Transmittal of search copy delayed until search fee is paid		
	For International Bureau use only		
Date of receipt of the record copy by the International Bureau:			